(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 17 January 2002 (17.01.2002)

PCT

(10) International Publication Number WO 02/04021 A1

- (51) International Patent Classification⁷: A61K 39/395, C07K 16/32
- (21) International Application Number: PCT/US01/15677
- (22) International Filing Date: 16 May 2001 (16.05.2001)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:

60/217,706 12 July 2000 (12.07.2000) US 09/772,938 31 January 2001 (31.01.2001) US

- (71) Applicant: IDEC PHARMACEUTICALS CORPORATION [US/US]; 11011 Torreyana Road, San Diego, CA 92121 (US).
- (72) Inventors: HANNA, Nabil; 14770 Avenida Insurgentes, Rancho Santa Fe, CA 92067 (US). HARIHARAN, Kandasamy; 7414 Park Village Road, San Diego, CA 92129 (US).

- (74) Agents: TESKIN, Robin, L. et al.; Pillsbury Winthrop LLP, 1600 Tysons Boulevard, McLean, VA 22102 (US).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



(54) Title: TREATMENT OF B CELL MALIGNANCIES USING COMBINATION OF B CELL DEPLETING ANTIBODY AND IMMUNE MODULATING ANTIBODY RELATED APPLICATIONS